

Innovation · Industrial Design · Mechanical Engineering · Electronics · Software · Optics · Manufacturing Processes · Supply Chain



Gmax Equine performance system

Horse racing is a multi-billion dollar industry, and yet existing products do not allow trainers to take the scientific approach that has brought such benefits to the performance of elite human athletes. Recognising this need, CDP have used their experience in innovative medical devices, wireless communications and software systems to develop Gmax.

Gmax provides wireless real-time monitoring of total horse performance. This allow visionary owners, trainers and racing institutions to gain significant advantages.

Using Gmax the application of the latest scientific training methods becomes possible, allowing you to maximise the potential of your horses. Gmax also enables powerful multimedia presentations of races and training, enhancing understanding and enjoyment of the sport, and so appeal to a new generation of customers.

Gmax is a single integrated system which can be fitted as part of normal tack, combining state of the art sensors for:

- Position
- Speed
- Acceleration
- Biometric data
- Environmental conditions

Data from the sensors is interpreted live using sophisticated algorithms to detect useful features from the raw data. A database records the data and allows a complete training history to be analysed for comparisons of performance over time. Using AJAX web technology, the data can be played live or retrospectively on an interactive map.

The Gmax platform has applications beyond equine training. In September 2009, Gmax was used to provide live online progress tracking of the Tour of Britain cycle race, just one of many long distance sports to which the technology can be applied. Its ability to monitor biometric parameters remotely has many applications in emerging telemedicine and personal wellness products.

www.gmaxequine.com



For more information:

Phone: +44(0)1223 264428

Email: info@cambridge-design.co.uk

Website: www.cambridge-design.co.uk